



29462

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:
Fred Christian Baij

Group Art Unit: 3635

Serial Number: 09/535,457

Examiner: Chi Q. Nguyen

Filed: 03/24/2000

Title: FRAMING LUMBER PRODUCTS AND METHODS

DECLARATION OF FRED CHRISTIAN BAIJ

UNDER 37 C.F.R. 1.131

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1. My name is Fred Christian Baij
2. I am the inventor in the above-identified application.
3. This declaration is being made pursuant to Title 37, Code of Federal Regulations, Chapter I, Rule 1.131.
4. Prior to May 19, 1999, the claimed invention, including all the elements thereof, had been reduced to practice in the United States, as evidenced in Exhibit #1 and Exhibit #2, included herewith.

Certain sections of Exhibit #1 and Exhibit #2 have been blacked-out or deleted as such sections contain proprietary or other information which is not needed for evaluation of this Declaration.

5. Each of the dates blacked-out in Exhibit #1 and Exhibit #2 is a date prior to May 19, 1999.
6. Exhibit #1 represents a Provisional Patent Application which I filed in the United States Patent and Trademark Office, pro-se, and which I hereby rely upon to show constructive reduction to practice and/or conception prior to May 19, 1999.
7. Exhibit #2 represents a letter from a representative at a company that I hired to make a prototype of my invention, and which I hereby rely upon to show actual reduction to practice and/or conception prior to May 19, 1999.
8. Further I say not.

Full name of the inventor: Fred Christian Baij

Inventor's signature: Fred C. Baij Date: 6-20-05
Residence: 861 Cherry Creek Road, Marquette, Michigan 49885 USA Citizen: USA
Post Office Address: 861 Cherry Creek Road, Marquette, Michigan 49885

SN: 09/535,457

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EXHIBIT #1

PROVISIONAL APPLICATION
FILING RECEIPT



29462
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS
[REDACTED]	[REDACTED]	\$75.00		0

FRED BAIJ
861 CHERRY CREEK ROAD
MARQUETTE MI 49855

Receipt is acknowledged of this Provisional Application. This Provisional Application will not be examined for patentability. Be sure to provide the PROVISIONAL APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to Box Provisional Application within 10 days of receipt. Please provide a copy of the Provisional Application Filing Receipt with the changes noted thereon. This Provisional Application will automatically be abandoned twelve (12) months after its filing date and will not be subject to revival to restore it to pending status beyond a date which is after twelve (12) months from its filing date.

Applicant(s) FRED CHRISTIAN BAIJ, MARQUETTE, MI.

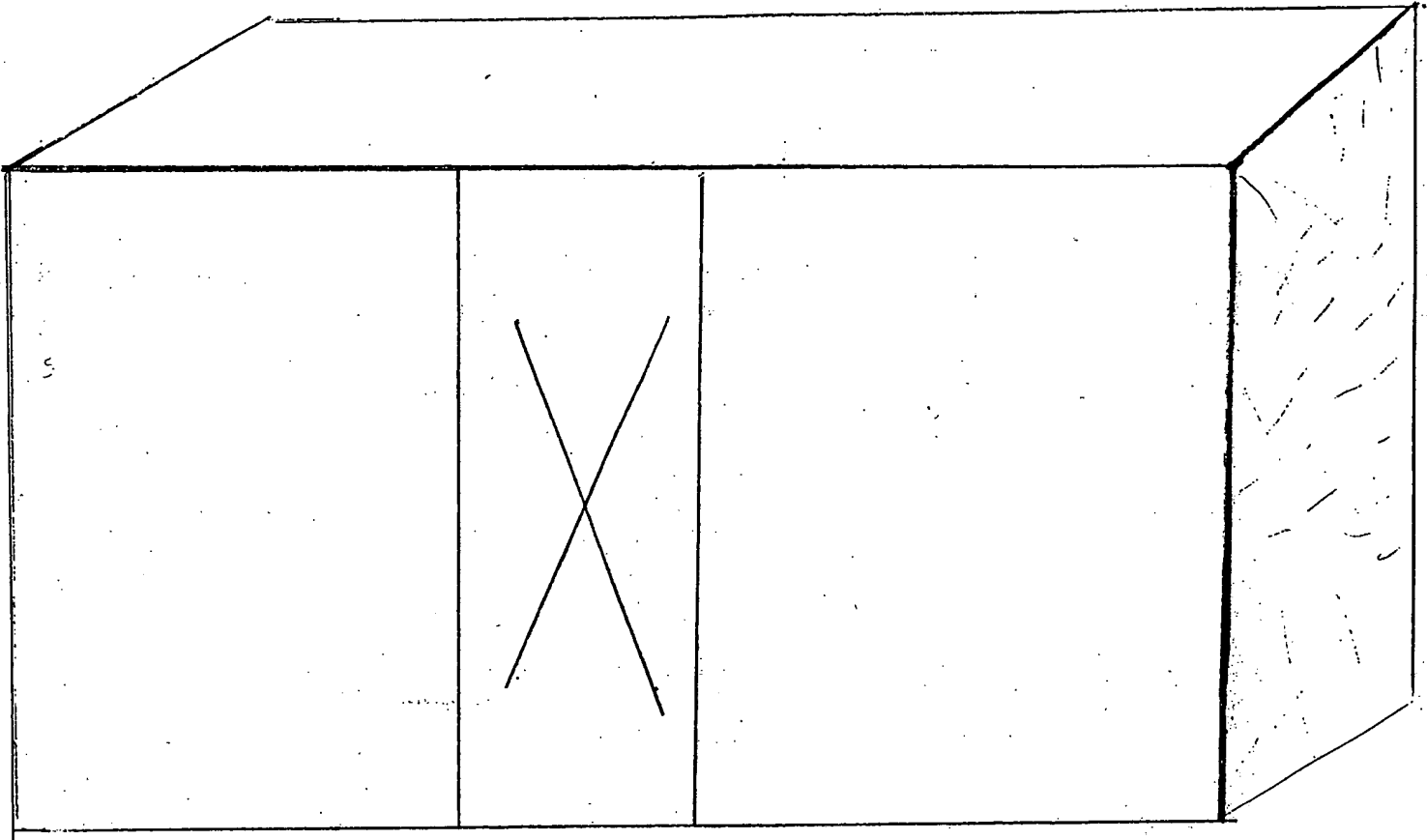
FOREIGN FILING LICENSE GRANTED [REDACTED]
TITLE

* SMALL ENTITY *

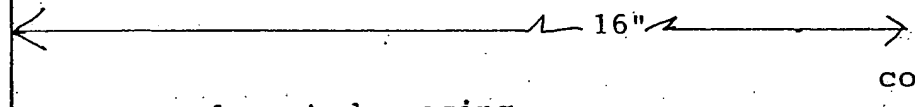
REGULAR STUD SPACING PRINTED ON LUMBER. EXAMPLE 16"OC INDICATE WHERE
2X4 STUDS (UPRIGHT MEMBERS ARE PLACED.

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Actual size 2" x 4" demension lumber #1



#1

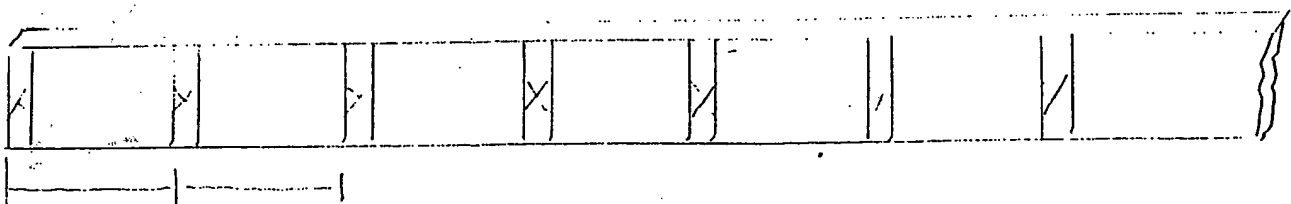


regular stud spacing....

Printed on lumber at sawmill,

continuu

#2



regular stud spacing 2x4, 2x6

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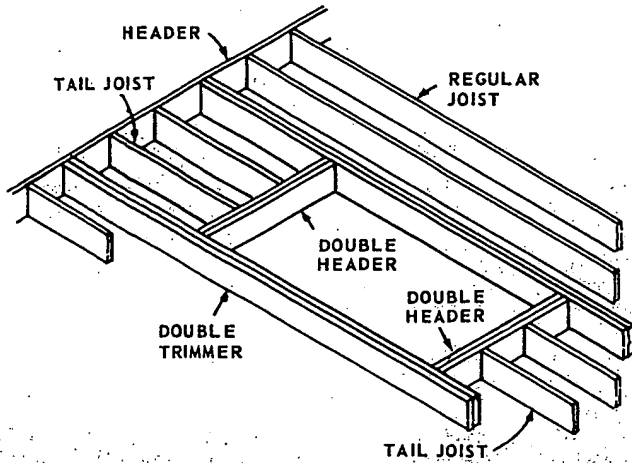


Fig. 7-26. Framing members around a floor opening.

are lapped at the girder, the X (position of the joists) is marked on the other side of the layout line for the opposite wall.

access, Fig. 7-25. Joists must also be doubled around openings in the floor frame for stairways, chimneys, and fireplaces. These joists are called trimmers and support the headers which carry the tail joists. See Fig. 7-26. The carpenter must become thoroughly familiar with the plans at each floor level so adequate support can be provided.

Select straight lumber for the header joist and lay out the standard spacing along its entire length, Fig. 7-27. Add the position for any doubled joists under partitions and also trimmer joists that will be required along openings. Where regular joists will become tail joists, change the X mark to a T as shown.

Installing Joists

After the header joists are laid out, place them in position and toenail them to the sill. Place all full length joists in position, Fig. 7-28, with

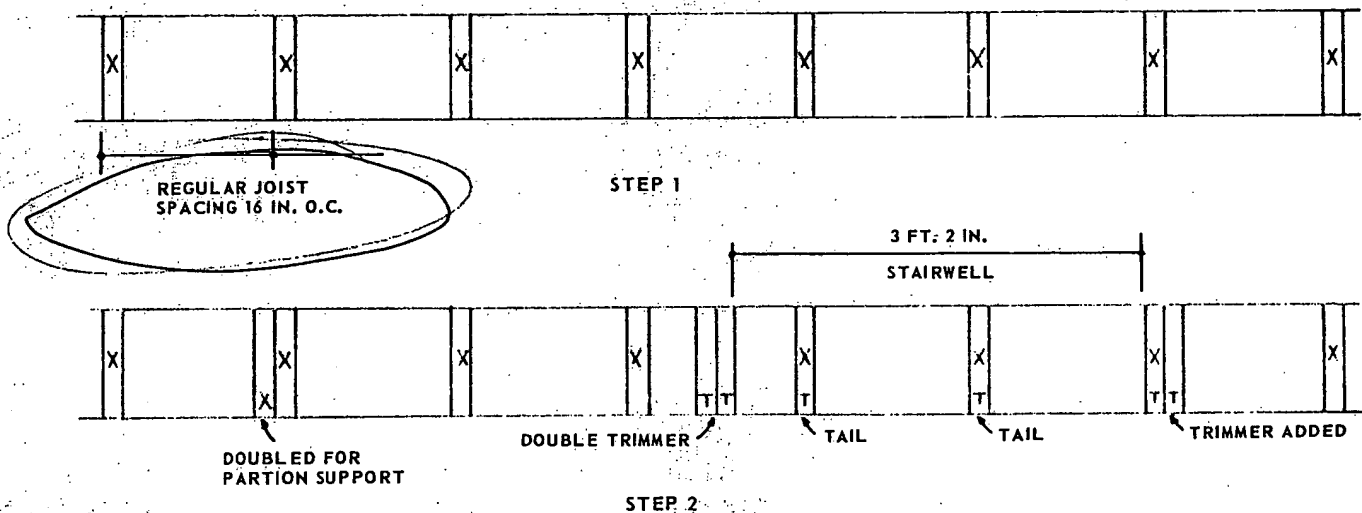


Fig. 7-27. Header joist layout. Use a rod to lay out the regular joist spacing, and then add the position of double and trimmer joists.

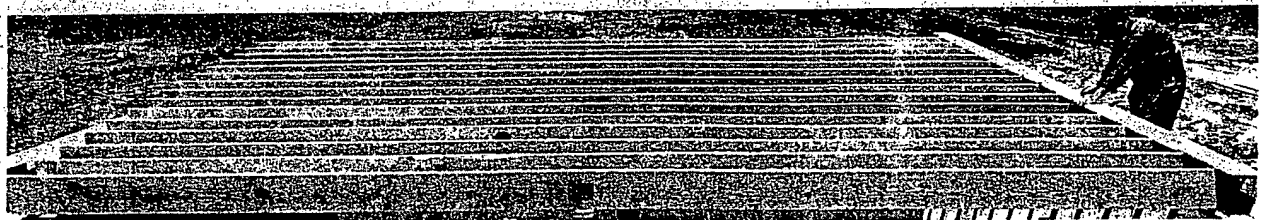


Fig. 7-28. Full length joists in position.

Joists are doubled where extra loads must be supported. When a partition runs parallel to the joists, a double joist is placed underneath. Partitions which are to carry plumbing or heating pipes are usually spaced apart to permit easy

the crown (slight warpage called crook) turned up. Hold the end tightly against the header and along the layout line so the sides will be plumb. Attach the joists to the header using a nailing pattern consisting of three 20d nails.

Wall and Ceiling Framing

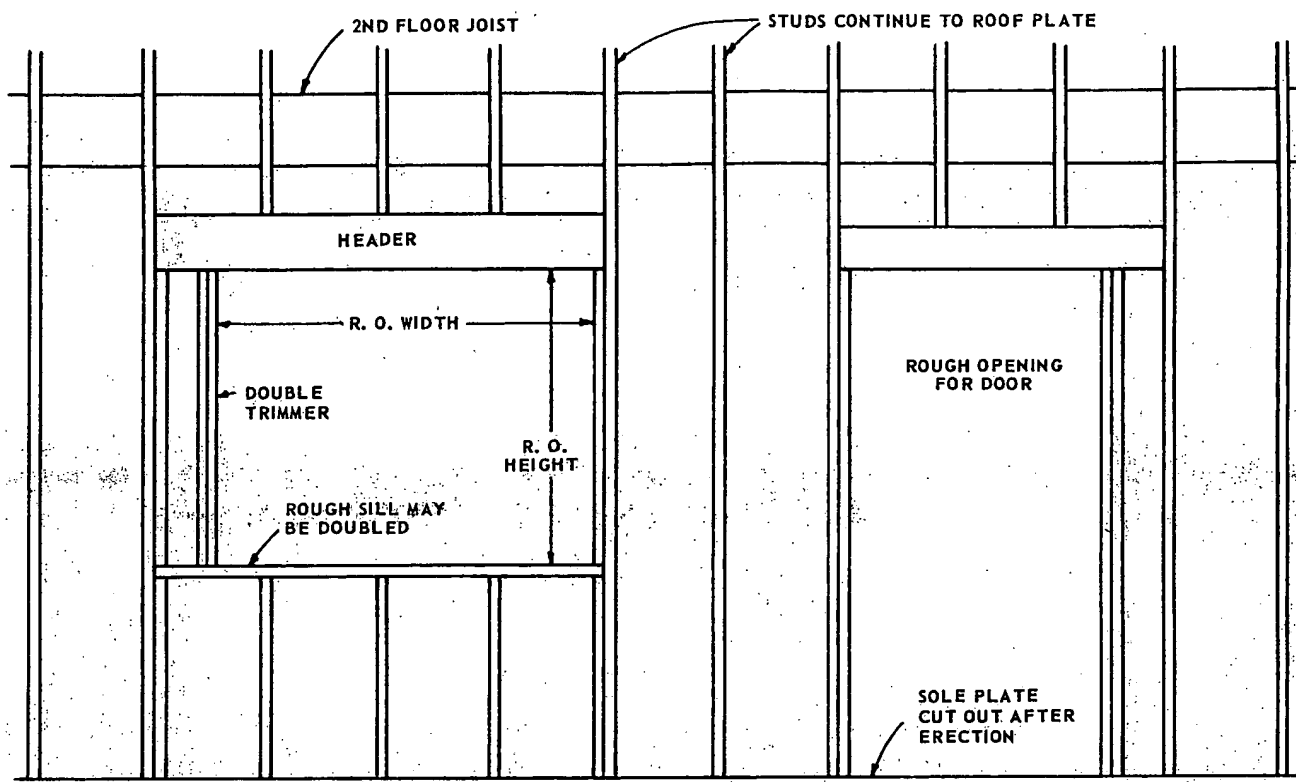


Fig. 8-9. Framed openings in balloon construction.

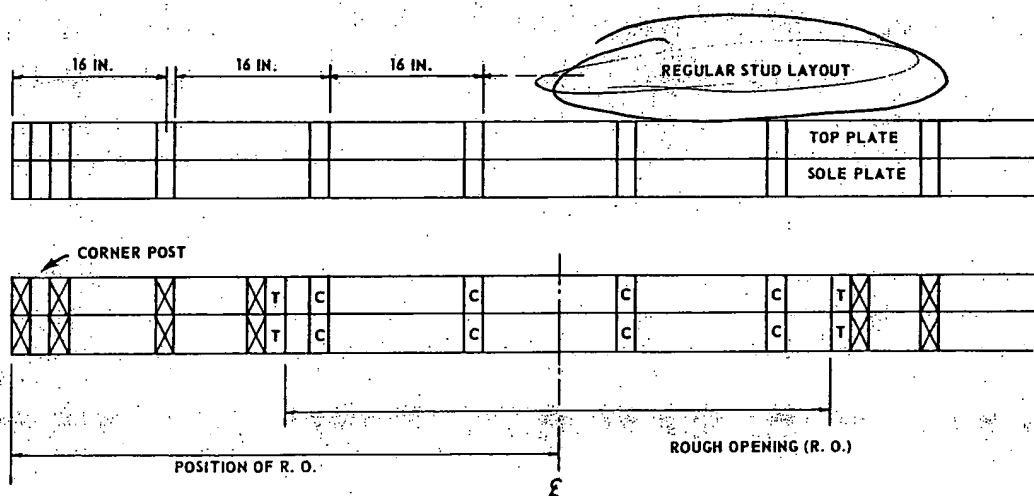


Fig. 8-10. Layout of sole and top plates. Above, Regular stud spacing marked. Below, Converted for window opening.

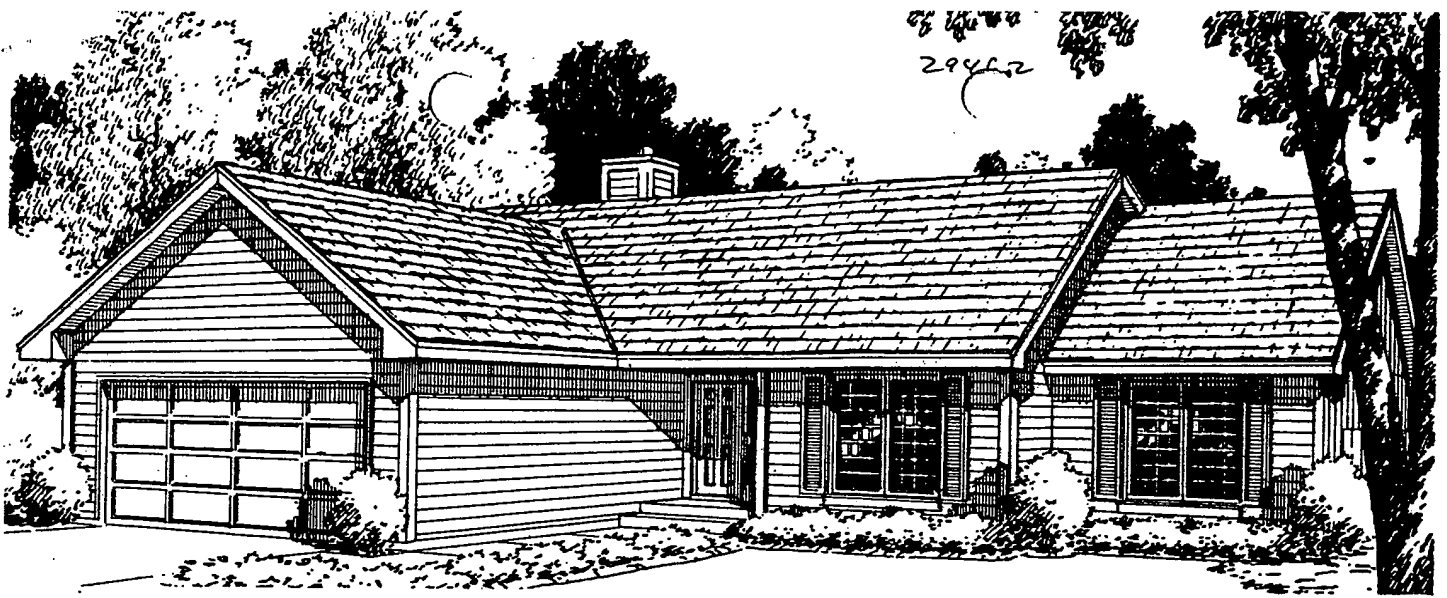
Several different procedures may be followed in framing openings in balloon construction. Sometimes it is best to erect all of the studs first and then lay out and cut openings. Another procedure is to erect only the full length studs and then fill in the vertical area with the assembly of cripple studs, rough sills and headers. In balloon construction, where the studs extend from the sole plate to the roof plate, the common practice is to extend headers beyond the opening to the next regular stud as shown in Fig. 8-9.

Plate Layout

Select straight 2 x 4 stock and lay two pieces of equal length along the perimeter of the floor. The length of these pieces, which will form the separate wall sections, should be determined by the rough openings included and the procedure that will be used to raise the sections into place.

Lay out the plates along the main side walls first. Align the ends with the floor frame and then mark the regular stud spacing all the way along

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STUDMARKS

The 1500 square foot home shown above requires 56 pieces of 16ft long 2x4s for interior and exterior wall plates. All wall plates, top & bottom, must be, "laid out" or marked, using a pencil, tape measure and square. These layout marks indicate stud and rafter spacing and location, 16" or 2' on center. This task is performed by a higher paid foreman or lead carpenter on a construction crew.

STUDMARKS: lumber pre-printed with stud, rafter spacing/location can save hours of valuable time on all construction projects.

STUDMARKS, do away with the time consuming step of penciling in on all plates, the repeated layout step!

STUDMARKS can also provide accurate, quality controlled marking without human error, and free up more of the formans time.

STUDMARKS, can provide professional information/instruction directly on the lumber material being used by a do it yourselfer, Garage construction, a typical homeowner project, will be greatly aided with the use of Studmark lumber.

Builders interviewed want Studmarks.

Home Center managers say they can sell Studmarks!

STUDMARKS

c/o Fred Baij
861 Cherry Creek Road
Marquette, Michigan 49862

The inventor, Fred Baij, has been a carpenter and building contractor for the last 21 years, and developed this idea through building experiences.

SN: 09/535,457

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EXHIBIT #2



PRO-MARK
INTERNATIONAL



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Jacksonville, Florida 32241-7427
Telephone: (904) 880-1881
Fax: (904) 880-1873

Mr. Fred Baij
Johnson's Printing Service
1310 South Front Street
Marquette, Michigan 49855

Subject : Marking 2 x 4

Dear mr. Baij

I received your fax and description of the application to mark 2x4 material with stud marks. I did some experimenting with our Non-Contact Large Character Ink Jet coding system. I created a design to show two vertical lines and a "X". I have sample marked two PCs 2x4 for your review

Also enclosed is basic information on our Ink Jet Coder. Once you have had a chance to review the samples, let me know if you have any questions, or if I can be of any further assistance. Perhaps this is a solution for your application.

Regards


Tom Keever





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